## INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/003766

A. CLASS	IFICATION OF SUBJECT MATTER	PCT/EP2004/003766
IPC 7	F16C17/03	
According t	to International Patent Classification (IPC) or to both national classification and	
B. FIELDS	SEARCHED	IPC
	ocumentation searched (classification system followed by classification symb	
IPC 7	F16C	ols)
Documenta	tion searched other than minimum documentation to the extent that such docu	limente are included in the field
		anients are included in the fields searched
Electronic d	data base consulted during the international example.	
EPO-In	data base consulted during the international search (name of data base and,	where practical, search terms used)
2.0 11,	ioci iia i	
		•
	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant pas	ssages Relevant to claim No.
		·
A	US 5 743 657 A (STOPP PETER G ET AL)	1
	28 April 1998 (1998-04-28) figure 1	
	column 4, line 1 - line 20	
A	US 4 714 357 A (NOWAKOWSKI ROBERT J	ET 1
	AL) 22 December 1987 (1987-12-22) abstract	·   -
	figures 2,5	
	column 3, line 18 - line 34	
A .	~~~~	•
^	US 5 795 076 A (BALL JAMES H ET AL) 18 August 1998 (1998-08-18)	1
	figures 22.28	·
	column 10, line 49 - line 63	
	-/	· ·
	;	· ·
	,	
χ Furth	er documents are listed in the continuation of box C.	
——J		Patent family members are listed in annex.
	egories of cited documents : "T' later	document published after the International filing date
00110140	ered to be of particular relevance	d to understand the principle or theory understand the
	ocument but published on or after the international "X" docu	ment of particular relevance; the elelment in the
	nt which may throw doubts on priority claim(s) or invo	olve an inventive step when the document is, taken alone
_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	or other special reason (as specified)	ment of particular relevance; the claimed invention
	leans	official is combined with one or more other such docu-
later tha	an the antente to the international filling date but	e art.  ment member of the same patent family
ate of the a	chial completion of the later at the later at the later at	of mailing of the international search report
17 August 2004		25/08/2004
ame and m	alling address of the ISA Author	prized officer
	NL - 2280 HV Riswilk	
	Tel. (+31-70) 340-2040. Tx 31 651 eno ni	Schaeffler, C
n PCT/ISA/24	0 (second sheet) (January 2004)	

## INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/003766

.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PCI/EP20	EP2004/003766		
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
	US 3 787 105 A (GARDNER W) 22 January 1974 (1974-01-22) abstract		1		
	figures 3,4 US 4 026 613 A (MORAVCHIK JOSEPH L) 31 May 1977 (1977-05-31)		1		
	figure 3				
	•				
		•			
	·				

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No PCT/EP2004/003766

Patent document Publication			FC1/EF2004/003/66		
cited in search report		Publication date		Patent family member(s)	Publication date
US 5743657	Α	28-04-1998	GB DE DE EP WO JP	2292192 A 69503138 D1 69503138 T2 0774080 A1 9605442 A1 10503827 T	14-02-1996 30-07-1998 18-03-1999 21-05-1997 22-02-1996 07-04-1998
US 4714357	A	22-12-1987	NONE	. هم هم سا سن بد شن هم هم هم هم هم سا سا ش	
US 5795076	Α .	18-08-1998	US US	5951172 A 5879085 A	 14-09-1999 09-03-1999
US 3787105	.A	22-01-1974	CA DE ES GB IT JP JP JP NL SE	996168 A1 2356195 A1 420552 A1 1437995 A 996389 B 1114473 C 49135052 A 57002927 B 7316402 A ,B, 395255 B	31-08-1976 06-06-1974 01-07-1976 03-06-1976 10-12-1975 29-09-1982 26-12-1974 19-01-1982 06-06-1974 08-08-1977
US 4026613	Α	31-05-1977	CA	1047086 A1	23-01-1979